

IN THE CLAIMS

1. (currently amended) A method for analyzing and displaying reliability data through use of a network-based system including a server and at least one device connected to the server via a network, said method comprising the steps of:

receiving reliability information from a user via the ~~device~~device, wherein
said receiving reliability information includes obtaining reliability information
regarding a product;

performing statistical tests on the received reliability information;

generating a report relating to the statistical ~~tests~~and tests;

displaying ~~the information~~information related to the ~~report~~report;

receiving a confidence level of a parameter of the product; and

predicting a life of the product based, at least in part, on the confidence level.

2. (currently amended) A method according to Claim 1 wherein said step of generating a report relating to the statistical tests further comprises the step of generating a plot of ~~the Weibull~~Weibull cumulative probability function.

3. (currently amended) A method according to Claim 2 wherein said step of generating a report relating to the statistical tests further comprises the step of generating a plot of the Weibull cumulative probability function of ~~unreliability~~unreliability as a function of cycles.

4. (original) A method according to Claim 1 wherein said step of generating a report relating to the statistical tests further comprises the step of generating a Pareto histogram.

5. (currently amended) A method according to Claim 4 wherein said step of generating a Pareto histogram further comprises the step of generating ~~of Pareto a~~Pareto histogram of failure mode.

6. (original) A method according to Claim 1 wherein said step of generating a report relating to the statistical tests further comprises the step of generating a control chart.

7. (original) A method according to Claim 1 wherein the reliability information is received from the user via a graphical user interface.

8. (currently amended) A system for analyzing and displaying reliability data, said system comprising:

a device; and

a server connected to said device and configured to receive reliability information from a user via said device, wherein the reliability information includes information regarding a product, said server further configured to:

perform statistical tests on the received reliability information;

generate a report relating to the statistical tests; ~~and tests;~~

display ~~the information~~ information related to the ~~report~~ report;

receive a confidence level of a parameter of the product; and

predict a life of the product based, at least in part, on the confidence level.

9. (original) A system according to Claim 8 wherein said server further configured to download to the user the information related to the report.

10. (currently amended) A system according to Claim 8 wherein said server further configured to generate ~~a a plot~~ a plot of the Weibull Weibull cumulative probability function.

11. (currently amended) A system according to Claim 8 wherein said server further configured to generate a plot of ~~the Weibull Weibull~~ cumulative probability function of ~~unreliability~~ unreliability as a function of cycles.

12. (original) A system according to Claim 8 wherein said server further configured to generate a Pareto histogram.

13. (original) A system according to Claim 8 wherein said server further configured to generate a Pareto histogram of failure mode.

14. (original) A system according to Claim 8 wherein said server further configured to generate a control chart.

15. (original) A system according to Claim 8 wherein said server further configured to receive the reliability information from the user via a graphical user interface.

16. (original) A system according to Claim 8 wherein said device configured to be a server for a network of customer devices.

17. (original) A system according to Claim 8 wherein said server and said device are connected via a network.

18. (original) A system according to claim 17 wherein said network is one of a wide area network, a local area network and the Internet.